

Claims

1. A method for providing a variety of RBI from the terminating terminal to the originating terminal during the call setup time in the communication system that includes lots of terminals and the exchanges controlling the connection of communication paths between terminals, the method comprising the steps of:

a communication network receives a call setup request from the originating terminal;

the network notifies the terminating terminal that a call request is received, in response to the call request from the originating terminal;

the terminating terminal transmits the RBI to the network; and

the network delivers to the originating terminal the RBI received from the terminating terminal.

2. A method for providing a variety of RBI from the terminating terminal to the originating terminal during the call setup time as recited in Claim 1, wherein further includes the step:

The terminating terminal requests the network to permit the transmission of RBI; and,

in case there is a request for permit of RBI transmission from the terminating terminal, the network decides whether to accept the request or not, and then inform the terminating terminal of it.

3. A method for providing a variety of RBI from the terminating terminal to the originating terminal during the call setup time as recited in Claim 1, wherein further includes the step:

5 the network requests the terminating terminal to transmit the RBI; and,
in case there is a request for RBI transmission from the network, the
terminating terminal decides whether to transmit the RBI or not, and then
informs the network of it.

10 4. A method for providing a variety of RBI from the terminating terminal to the originating terminal during the call setup time as recited in Claim 1, wherein the network selectively provides the originating terminal with the RBI transmitted from the terminating terminal.

15 5. A system for providing a variety of RBI from the terminating terminal to the originating terminal during the call setup time in the communication system comprising lots of terminals and the network controlling the connection of communication paths between terminals, wherein;

terminals that transmit RBI to the network, in case there is a call request
20 from the network during the call setup time, and

the network that delivers the originating terminal with the RBI transmitted from the terminating terminal during the call setup time.

6. A system for providing a variety of RBI from the terminating terminal to the originating terminal during the call setup time in the communication system as recited in Claim 5, wherein the network selectively permits the transmission of the RBI from the terminating terminal based on the profile information of the terminating terminal.

7. A system for providing a variety of RBI from the terminating terminal to the originating terminal during the call setup time in the communication system as recited in Claim 5, wherein the terminal includes;

a storage means for storing a variety of RBI, and

a control means for controlling the transmission of RBI to the network, where a variety of RBI is stored in the above-mentioned storage means.

8. A system for providing a variety of RBI from the terminating terminal to the originating terminal during the call setup time in the communication system as recited in Claim 7, wherein the terminal further includes;

an optional control means by which a user can select the transmission of RBI at his option.

20

9. A system for providing a variety of RBI from the terminating terminal to the originating terminal during the call setup time in the communication

system as recited in Claim 7, wherein the above-mentioned control means selects and transmits the RBI, corresponding to the caller's number.

10. A communication terminal for providing a variety of RBI during the
5 call setup time in the communication system, wherein includes;

a sound input means,

a sound output means,

a key input means for putting the telephone numbers in,

a communication network interface means for connecting with
10 communication network,

a storage unit for storing a variety of RBI, and

a control means for controlling the transmission of the RBI stored in the
storage means to the communication network during the call setup time, in
case the terminal receives a call request from the communication network.

15

11. A communication terminal for providing a variety of RBI during the
call setup time in the communication system as recited in Claim 10, wherein
further includes;

an optional means by which a user can select the transmission of RBI at
20 his option.

12. A communication terminal for providing a variety of RBI during the call setup time in the communication system as recited in Claim 10, wherein the control means transmits the RBI, corresponding to the caller's telephone number.

5 13. A communication terminal for providing a variety of RBI during the call setup time in the communication system as recited in Claim 10, in which the control means requests the permission of RBI transmission, in case there is a call request from the communication network, and, when permitted, it controls the transmission of RBI to the communication network.

10

14. A communication terminal for providing a variety of RBI during the call setup time in the communication system as recited in Claim 13, in which the control means informs the user of the rejection, in case the communication network rejects the request for permission of RBI transmission.

15